

MODEL No's

SSQC0903P

SSQC2405P

SSQC2409

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

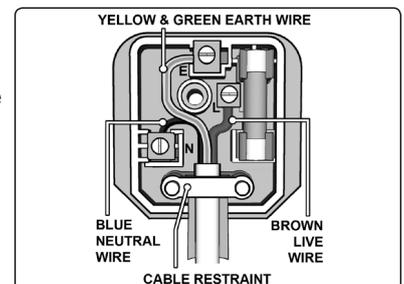
1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following: You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.

You must also read and understand the following instructions concerning electrical safety.

- 1.1.1. The **Electricity at Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.
- 1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see recommended fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When an ASTA/BS approved UK 3 pin plug is damaged, cut the cable just above the plug and **dispose of the plug safely.** Fit a new plug according to the following instructions (UK only).
 - a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**
 - b) **Connect the BROWN live wire to the live terminal 'L'.**
 - c) **Connect the BLUE neutral wire to the neutral terminal 'N'.**
 - d) **After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.**



**RECOMMENDED FUSE RATING:
13 AMP**

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.

- 1.1.10. Products which require more than 13 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a 30 amp supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The section of the cores in the cable is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2. GENERAL SAFETY INSTRUCTIONS

- ✓ Familiarise yourself with the application and limitations of the compressor.
- ✓ Ensure that the compressor is in good order and condition before use. If in any doubt do not use. Contact an electrician/service agent.
- WARNING! the compressor must be serviced by an authorised agent only. DO NOT tamper with, or attempt to adjust, the pressure switch or the safety valve.**
- ✓ Before moving, or maintaining the compressor ensure that it is unplugged from the mains supply and that the air tank pressure has been vented.
- ✓ Only use recommended parts and accessories. To use unauthorised items may be dangerous and will invalidate your warranty.
- ✓ Read the instructions regarding any accessory used with the compressor. Ensure that the safe working pressure of any air appliance used exceeds the output pressure of the compressor.
- ✓ Ensure that the air supply valve is turned off before disconnecting the air supply hose.
- ✓ Keep tools and other items away from the compressor when it is in use and keep the area clean and free of unrelated items.
- ✓ Ensure that the air hose is not tangled, twisted or pinched.
- ✓ Keep children and unauthorised persons away from the work area.
- x **DO NOT** dis-assemble compressor for any reason. The unit must be checked by qualified personnel only.
- x **DO NOT** use the compressor outdoors, or in damp, or wet, locations and **DO NOT** operate it within the vicinity of flammable liquids, gases or solids.
- x **DO NOT** touch compressor cylinder, cylinder head or pipe from head to tank as will be hot and will remain so for some time after shutdown.
- x **DO NOT** attempt to move the compressor by pulling the air supply hose. Only move the compressor by the handle.
- x **DO NOT** attempt to lift or move the compressor by any means other than by the handle.

- ✓ Use the compressor in a well ventilated area and ensure that it is placed on a firm, level surface.
- ✗ **DO NOT** use this product to perform a task for which it is not designed.
- ✗ **DO NOT** deface the certification plate attached to the compressor tank.
- ✗ **DO NOT** cover the compressor or restrict air flow around the machine whilst operating.
- ▲ **DANGER! DO NOT direct the output jet of air towards people or animals.**
- ✗ **DO NOT** operate the compressor without an air filter.
- ✗ **DO NOT** allow anyone to operate the compressor unless they have received full instructions.
- ☐ **WARNING! The air tank is a pressure vessel and the following safety measures apply:**
- ✗ **DO NOT tamper with the safety valve and DO NOT modify or alter the tank in any way and DO NOT strap anything to the tank.**
- ✗ **DO NOT subject the tank to impact, vibration or to heat and DO NOT allow contact with abrasive or corrosive materials.**
- ✓ **DO drain condensation from tank daily and inspect inside walls for corrosion every three months. Have a detailed tank inspection carried out annually. The tank shell must not fall below the certified thickness at any point..**
- ☐ **WARNING! If an electrical fuse blows, ensure that it is replaced with one of identical type and rating.**
- ✓ When not in use, disconnect from the mains, vent the tank and store the compressor in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATION

One of the quietest professional compressors on the market, noise level is the same as a refrigerator at only 40dB (at 1mtr). In comparison, the noise levels for a vacuum cleaner, dishwasher and washing machine are between 70-80dB. Suitable for many applications including nail/staple guns, air brushes, blow guns, tyre inflators and any other small operated air tools.

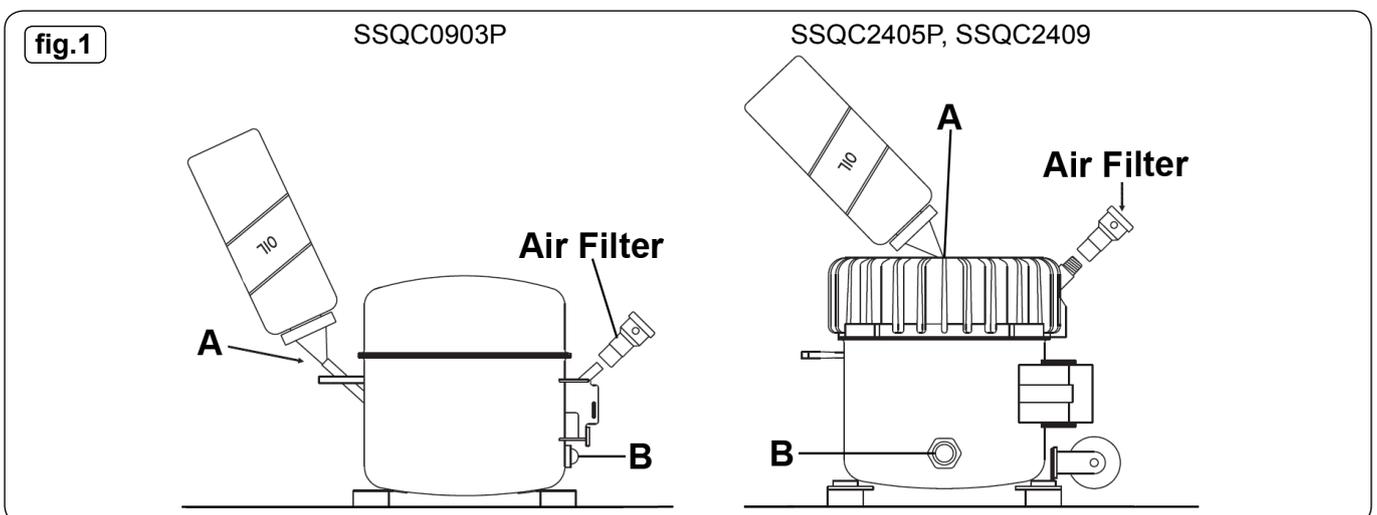
Model No	SSQC0903P	SSQC2405P	SSQC2409
Motor Output	0.3hp	0.5hp	0.92hp
Voltage/Phase	230V/1ph	230V/1ph	230V/1ph
Air Displacement	0.88cfm	1.77cfm	3.53cfm
Max Free Air Delivery	0.65cfm	1.3cfm	2.6cfm
Receiver Capacity	9ltr	24ltr	24ltr
Max Pressure	116psi / 8bar	116psi / 8bar	116psi / 8bar
Dimensions - Length x Width x Height	330 x 330 x 470mm	400 x 400 x 600mm	360 x 650 x 550mm
Weight	18kg	27kg	50kg
Noise Level	40dB.A	40dB.A	42dB.A

3. PREPARATION & ASSEMBLY

- ☐ **WARNING! The compressor is supplied without any lubricating oil in the pump see para. 3.4.**
- 3.1 Remove compressor from packaging and inspect for any shortages or damage. If anything is found to be missing or damaged contact your supplier.
- 3.2 Confirm that the mains voltage corresponds with the voltage shown on the compressor data plate.
- 3.3 The compressor should be installed on a flat surface, or one that does not exceed 15° either transversely or longitudinally, and should be in a position that allows good air circulation around the unit.
- 3.4 **IMPORTANT! Remove air filter (fig.1) and the oil filler cap from the pump (fig.1A) and fill with synthetic compressor oil until the level is up to the centre of the sight glass (fig.1B). Replace the filler cap.**
DO NOT ATTEMPT TO RUN THE COMPRESSOR UNTIL THIS HAS BEEN DONE.
- 3.5 Ensure that the air vent in the oil filler/breather is free from debris. If the air vent is blocked, pressure can build up in the crankcase causing damage to the compressor and possible personal injury.
- 3.6 Screw/insert air filter (fig.1) into inlet port.

4. TOOL SELECTION

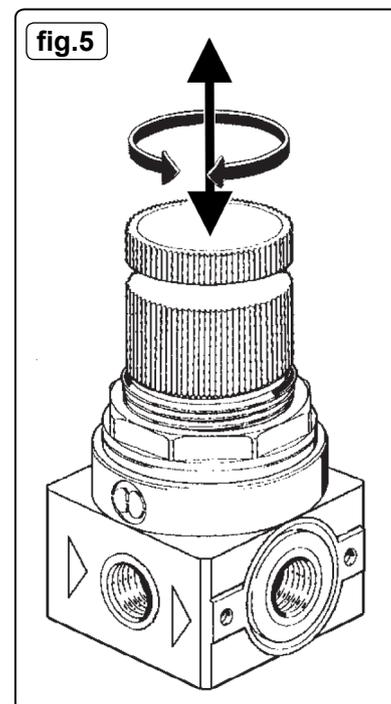
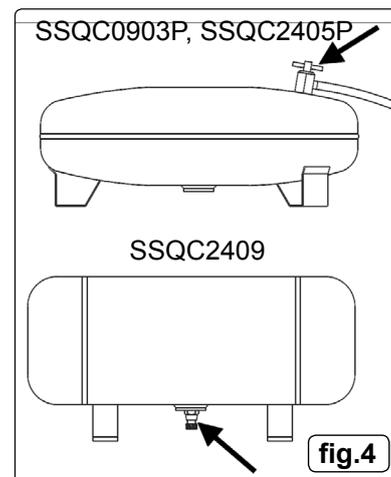
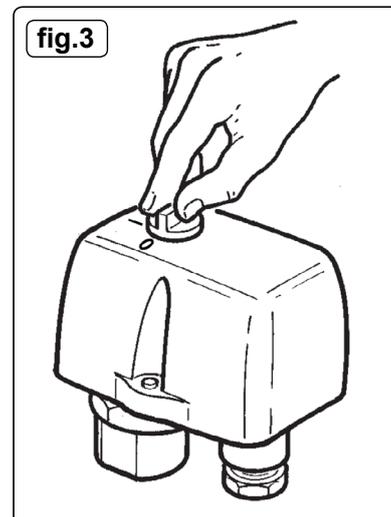
- ☐ **IMPORTANT** Take care when selecting tools for use with the compressor. Air tool manufacturers normally express the volume of air required to operate a tool in cubic feet per minute (cfm). This refers to free air delivered by the compressor ('air out') which varies according to the pressure setting. Do not confuse this with the compressor displacement which is the air taken in by the compressor ('air in'). 'Air out' is always less than 'air in' - due to losses within the compressor - and so it is important that, before choosing equipment, you study the 'Free Air Delivery' figures shown in the Specifications above.



5. OPERATION

- ❑ **WARNING! ENSURE THAT YOU HAVE READ, UNDERSTOOD AND APPLIED SECTION 1 SAFETY INSTRUCTIONS.**
 - 5.1. **DUTY CYCLE:** At maximum pressure these compressors have a 50% duty cycle. Do not run the air compressor for more than 30 minutes in any one hour. Doing so could damage the air compressor.
 - 5.2 Make sure that the main switch (fig.3) is 'Off' (0).
 - 5.3 Check the oil level by looking through the sight glass, the level should be up to the centre of the sight glass (fig.1B). Fill with synthetic compressor oil only.
 - 5.4 Ensure that the tank drain valve is closed (See fig.4).
 - 5.5 Close the air outlet valve so that lever is in line with the valve.
 - 5.6 Close the outlet pressure regulator by lifting then turning the knob clockwise, push down to lock (fig.5).
 - 5.7 Connect the air tool required to the compressor via an air line connected to the air outlet on the right-hand side of the regulator.
 - 5.8 Plug the mains cable into the mains supply and start the compressor turning the switch to the 'On' position (I).
 - 5.9 Allow the pressure in the tank to rise to the maximum at which point the compressor will automatically cut out. Tank pressure is shown on the gauge attached to the switch box.
 - 5.10 Fully open the air outlet valve by turning it through 90°.
 - 5.11 Lift up the locking knob then begin to gradually open the regulator by turning the knob clockwise until the gauge registers the required operating pressure specified for the tool to be used. Always **adjust up** to the required pressure rather than down from a higher pressure. The required setting, once achieved, can be locked by pushing down the adjusting knob (fig.5).
 - 5.12 You can now begin to use the tool. The compressor will operate automatically cutting in and out as required to restore the air pressure in the tank. The pressure switch (fig.3) stops the motor when the maximum tank pressure is reached and restarts it when pressure falls below the minimum threshold - approx. 2 bar (29psi) less than the maximum pressure.
- Note:**
- a) If the motor does not cut in and out, but runs continuously when using an air appliance, the capacity of the compressor may be too small for the appliance.
 - b) The main gauge (Attached to the switch box) indicates the pressure inside the main tank, **NOT** the pressure supplied to the air equipment, which is shown on the gauge attached to the regulator. Should the pressure in the main tank exceed the pre-set maximum pressure, the safety valve will activate (the safety valve is adjacent to the regulator).
- ❑ **WARNING! For this reason DO NOT tamper with, or adjust, the switch or the safety valve.**
- NOTE:** When the compressor is not being used set the regulated pressure to zero so as to avoid damaging the pressure regulator).
- 5.13 To stop the compressor turn the main switch (fig.3) to the 'Off' position (0). When the compressor stops there will be a whistling sound as compressed air is vented from the compressor head. **DO NOT**, other than in an emergency, stop the compressor by switching off the mains socket, or by pulling the plug out, as the pressure relief will not then occur and motor damage may result upon restart.
 - 5.14 When you have finished using the compressor unplug the unit from the mains power supply.
 - 5.15 Set the outlet pressure on the regulator to zero.
 - 5.16 Close the air outlet valve and remove the air line and air tool.
 - 5.17 The tank must now be drained. This will release the air left in the tank and drain away condensation that may have formed within the tank. Choose a suitable location for this operation and/or make provision to collect the condensation. **Wear ear and eye protection.** Open the tank drain valve (see fig.4) slowly allowing air and moisture to bleed from the tank. After bleeding close the drain valve to prevent debris building up in the valve.
 - ❑ **WARNING! Water that is allowed to remain in the tank during storage will corrode and weaken the air tank which could cause the tank to rupture. To avoid serious injury drain the tank regularly.**
 - 5.18 **SAFETY FEATURES**
Thermal cut out: If the unit overheats the thermal cut out will operate and shut the unit down. The thermal cut out will automatically reset when the unit has cooled down.
Current overload trip: If this trip operates, turn off and remove from the main supply. Investigate and remedy the problem before connecting back to the main supply.

NOTE: When not in use drain the air from the tank and disconnect from the main supply.



6. MAINTENANCE

Maintenance Procedure	Once a Week	Once a Month	Once a Year
Check the oil level is in the middle of the sight glass. Add more synthetic compressor oil if needed.	✓		
Drain the water collected in the air outlet filter. To be done under pressure (fig.6).		✓	
Drain the condensation that has collected in the air tank. Pressurise the tank, tip the tank forward and open the drain tap.		✓	
Check all connections, pressure hose wear, all fixing are tight and all electrical connections are secure and clean.		✓	
Check the condition of the air filter (fig.1). If necessary remove the filter element and clean by blowing through with an air line at low pressure, from the clean side or wash in soapy water, rinse and dry. Do not operate the compressor without the filter as foreign bodies or dust could seriously damage the pump.		Every 3 Months	
Clean the compressor to prevent overheating.		✓	
Replace the cartridge in the outlet filter (fig.7).		Every 6 Months	
Check the automatic cut-out at max. pressure and the automatic cut-in at 2 bar below.		✓	
Check the filter reducer and its parts to optimise efficiency.			✓
Check the safety valve - pull the ring when the tank is pressurised.			✓
Replacement of oil. See instructions below.			✓

- ❑ **WARNING!** Before performing any maintenance operation, switch off the compressor, disconnect from electricity supply and release all air from the tank (except where a pressurised system is needed). In order to keep the compressor in good working condition, periodical maintenance is essential.

6.1 Oil Replacement

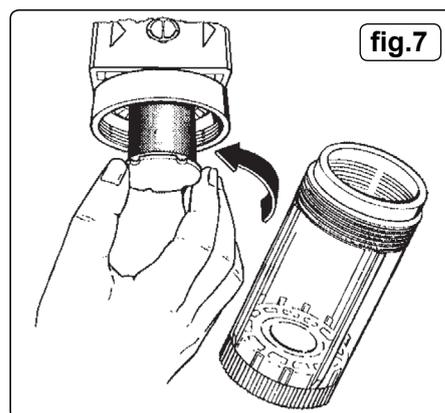
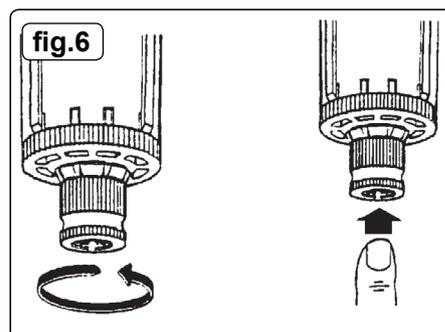
- 6.1.1 Remove the oil filler cap (fig.1A) and unscrew sight glass (fig.1B), draining the oil into a container. Drain when the compressor is hot so that oil drains rapidly and completely. Incline compressor to ensure complete drainage. Replace sight glass and refill. Do not overfill. Replace filler cap (fig.1A).

- 6.1.2 Recommended oil for compressors:
Synthetic oil suitable for temperatures ranging from -5°C to 45°C, viscosity 5W50.
We do not recommend using mineral oil in these compressors.

Part No.	Qty.	Description
FSO1	1ltr x 12	Compressor oil - fully synthetic
FSO1S	1ltr x 1	Compressor oil - fully synthetic
FSO5	5ltr x 1	Compressor oil - fully synthetic

- ❑ **WARNING! Never mix different oils and do not use non-detergent/low quality oils as the compressor may be damaged.**
Dispose of waste oil only in accordance with local authority requirements.

- 6.2 **IMPORTANT WARNING** - Air contaminants taken into the compressor will affect optimum performance. Example: Body filler dust or paint overspray will clog the pump intake filter and may cause internal damage to pump/motor components. Please note that any parts damaged by any type of contamination will not be covered by warranty.



7. TROUBLESHOOTING

FAULT	CAUSE	REMEDY
1A) Pressure drop in the tank	Air leaks at connections	Run compressor to max. pressure, switch off. Brush soap solution over connections and look for bubbles. Tighten connections showing leaks. If problem persists contact Authorised Service Agent.
1B) Pressure drop in the tank	Air leaks from safety valve	Operate the safety valve manually by pulling on the ring. If valve continues to leak when in the closed position it should be replaced.
1C) Pressure drop in the tank	Air leaks from cylinder head gasket	Check tightness of head bolts. If leak continues contact authorised service agent.
2) Pressure switch valve leaks when compressor is idle	Non-return valve seal defective	Empty the air tank, remove the non-return valve cap and clean, or if necessary replace the seal.
3) Air leaks from tank body or tank welds	Internal corrosion caused by infrequent tank draining or non permitted modifications to tank	Tank could rupture or explode. Cannot be repaired. DISCONTINUE USE IMMEDIATELY.
4A) Motor stops and will not restart	Thermal cut out has operated	Allow unit to cool for 30 minutes before restarting
4B) Motor stops and will not restart	Supply fuse has tripped	Reset fuse and restart unit. If repeated tripping occurs replace the check valve or contact authorised service agent.
4C) Motor stops and will not restart	Current overload trip has operated	Remove from main supply and Investigate and remedy reason for overload.
5) Compressor stops and does not restart	Motor failure	Contact Authorised Service Agent.
6A) Compressor does not stop at max. pressure	Pressure switch fault	Contact Authorised Service Agent.
6B) Compressor does not stop at max. pressure	Filter clogged Head gasket or valve fault	Replace filter element. Contact Authorised Service Agent.
7) Compressor noisy with metallic knock	Bearing or piston damage	Contact Authorised Service Agent.
8) Excessive moisture in discharged air	High humidity environment	Drain tank after each use.

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or phone 01284 757500.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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